

## THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Innosceds, bb.

**ALCICIS**, THERE HAS BEEN PRESENTED TO THE

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR UPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE DVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT TO BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY IS SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321

WHEAT, COMMON

'Residence'

In Testimone Macrost, I have hereunto set my hand and caused the seal of the Hant Daviety Protection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of September, in the year two thousand and six.

Allest:

DCM-John Commissioner

Plant Variety Protection Office Agricultural Marketing Service Agriculture

10/12/2001

## U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. the Paperwork Reduction Act (PRA) of 1995

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on mysers)

Application is required in order to determine if a plant vanety protection certificate is to be
(Instructions and information collection burden statement on mysers)

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| 4/19/06 |

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| ob <u>Cebeco-See</u>  | sount va a  | eeds, by.   |  | CEBECO 9303   |                      | RESIDENCE   |
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| 10 NAME AND ADDRESS OF  | OWNER REPRESENTATIVE(S)   |   | ATION. (First person based will re         | ctive all papers)   |                      | FILING AND EXAMINA  |
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| 11 TELEPHONE (Include area o  | ode) 12, FAX (Include   | area code)  | 13. E_MAIL                                 |   | <u></u>              | DATE 5/16/06  |
|   |   | •   | as E_motic                                 |   |                      | KIND (Common Name)  |
| 15 GENUS AND SPECIES NAM  |   |   |  |   | M T [Z]              | TER WHEAT   |
| -   |   |   | 16. FAMILY NAME (Bolanica                  | ag.   | 17, 45 THE<br>HYBRID | VARIETY A FIRST GENER   |
| Triticum aesti  | tvum_L.   | •   | graminae                                   |   | c                    | ] YES 🎉 NO  |
| 18. CHECK APPROPRIATE BOX<br>reverse)                                   | FOR EACH ATTACHMENT SUB   | MITTED (Follow instruction                                  | s on 19. DOES THE O                        | WHER SPECIFY THAT SEED  | DF THIS VARI         | ETY BE SOLD AS A CLASS  |
|   | nd Breeding History of the Variety  |   | <b>11</b> Y                                | EED? See Section #3(a) of<br>ES (If "yes", answer items 20<br>and 21 below) | ine rani van         | ety Protection Act)<br>NO (4 "no," go to šem 2  |
| <ol> <li>Exhibit B. Statemen</li> <li>Exhibit G. Objective</li> </ol>   | of Distinctness  Description of Variety   | **  |  |   |                      |   |
|   | al Description of the Variety (Option   | na)   | OF GENERAT                                 | MNER SPECIFY THAT SEED (<br>IONS?   | OF THIS VARIE        | ETY BE LIMITED AS TO NU   |
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| Filing and Examinat<br>States" (Mail to the I                           | ion Fee (\$2,450), made payable I<br>Plant Variety Protection Office)   | o Treasurer of the United                                   | CM FC                                      | NUNDATION REGIS   | ,                    | CERTIFIED   |
| ZZ, HAS THE VARIETY (INCLUDING FROM THIS VARIETY BEEN SOTHER COUNTRIES? | NG ANY HARVESTED MATERIA<br>FOLD, DISPOSED OF, TRANSFE  | L) OR A HYBRID PRODUC<br>RRED, OR USED IN THE               | ED 23. IS THE VARIE<br>U. S. OR PROPERTY R | TY OR ANY COMPONENT OF<br>IGHT (PLANT BREEDER'S RIC                         | THE VARIETY          | PROTECTED BY INTELLE  |
| 🗯 YES   | Пи  | o o   | <b>1988</b> vs                             | ES  |                      | _   |
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| Owner(s) is(are) informed that f  | el the owner of this semally repri<br>or the provisions of Section 42 of<br>alse representation herein can je | the Plant Veriety Protection<br>opartize protection and res | n Act.                                     | Amadan  | 10tm, 8140 3460      | A to do a la portira de la contra del la contra de la contra de la contra de la contra del la contra de la contra de la contra del la |
| SIGNATURE OF OWNER  |   | •   | 7 8  | Afficio Mensain 6 - 1   |                      | erana ·   |
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|   |   | •   | B.Scholte                                  |   | EDS BV               |   |
| CAPACITY OR TITLE   |   | DATE  | CAPACITY OR TITI                           | E   |                      | DATE  |

### INSTRUCTIONS

### RESIDENCE

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO. (1) Comp application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a h variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the se that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository. (4) check drawn on a U.S. bank for (\$300 filling fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Pa applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351 Retain one copy for your files. All items of face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent

> Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

200200067

ITEM

18a, Give:

Homepage: http://www.ams.usda.gov/science/pvp.htm

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method,
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability, and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences, and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as complete. as possible to describe your variety
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, diseas resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PV
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative dec after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22 CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Holland, 1st September 1998

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

European Union, PVP granted on December 14, 1998, certificate 3879.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or ownership representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 2 3uilding 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and nating the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number of the supplemental supplement tter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. Tohibide bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braile, large print, audiciage, etc.) should contact the USDA Office ommunications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, O.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). Extend occordability and the secretary of Agriculture, U.S. Department of Agriculture, Washington, O.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD).

17-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete



## **EXHIBIT A - revised**

Origin and Breeding History of Cebeco 9303 - Residence (Triticum aestivum L.)

## 1. Genealogy

Residence is selected out of the following crossing:

Obelisk \* ( Cebeco 8451 \* Arminda) in 1985. Seed of Obelisk and Arminda is available on the market. Cebeco 8451 is a line developed by Cebeco, out of the crossing (( Tadorna \* Sylvia) \* H3950 ) \* Argent. The background of H3950 is unknown. Cebeco 8451 was never marketed and has only be used by Cebeco as parent in our crossing program.

In 1986 a single plant was selected in the F3, followed by line selection and replicated yield trials.

The breeding process was carried out at our breeding station in Lelystad in the Center of the Netherlands. This breeding station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities including lab facilities and greenhouses.

## 2. Breeding goals

The breeding goals were:

Criteria for selection Generation

F4 - F9 Straw stiffness Plant length

Resistance to Mildew, Yellow Rust, Brown rust, Septoria

Yield

**Baking quality** 



## **Exhibit A-bis**

## Evidence of Uniformity and Stability of Cebeco 9303 - Residence

Residence has been tested in official DUS tests the Netherlands in the years 1995-1997. Based on the results from these trials the following conclusions have been taken:

- 1. During the testing years no variants were observed, thus confirming the Uniformity of Residence.
- 2. Over the years Residence has proven to be a Stable variety.

Residence was derived from the cross of Obelisk \* (Cebeco 8451 \* Arminda). The last cross was made in 1984 by Cebeco Seeds, B.V. The Netherlands. The F1 plants were planted near Lelystad at the breeding station of Cebeco Seeds in the center of the Netherlands. In 1986 a single plant was selected in the F3 stage, followed by a modified bulk breeding method to advance progeny of this cross through the F5 generation. In the F5 several ears were selected, threshed and planted as F6 rows. One F6 uniform, non-segregating row was harvested and carried forward as the experimental line Cebeco 9303. This line has now named Residence.

Residence was tested in Cebeco's private testing network from 1987 through 1993. Harvest States has tested and evaluated Residence as winter wheat in Washington State from 1995 till trough 2005 in replicated trials. During these years of field trials, the only variants that have been noted are taller plants (5-20cm) at a frequency of less than 0.2%. Therefore, it can be stated that Residence is both stable and uniform.

Residence has been granted Plant Variety Protection in the European Union on the basis of DUS trials, carried out in the Netherlands from 1995 through 1997 and has been declared Distinct from all other known varieties. Residence is an unique variety and is most similar to the variety Estica. However, Residence is clearly distinguished from Estica by the morphological characteristics, plant height and heading-date. Residence is 5 days earlier in heading and is 4 cm taller (table 1.) (Anova calculations from 1994 through 2004). Estica = PVP number 9500068.

The above comparison, along with the complete Objective Description (Exhibit C) shows Residence to be a novel variety of common Wheat.

Table 1. Morphological characteristics of Residence and Estica, trials from 1994 – 2004 (2 locations).

| Variety   | Heading<br>Date<br>(days after<br>1° june) | Plant<br>Heigth<br>cm |     |  |  | . " |
|-----------|--|-----------------------|-----|--|--|-----|
| Residence | 29.1                                       | 101.9                 | •   |  |  |     |
|           |  |                       |     |  |  |     |
| Estica    | 34.1                                       | 97.7                  | • • |  |  |     |

Table 2. Heading dates (days after 1° june) of Residence compared to Estica.

| Year   | Location     | Resicence | Estica |
|--------|--------------|-----------|--------|
| 1995   | Lelystad, NL | 29        | 35     |
| 1996   | Lelystad, NL | 35        | 41     |
| 1997   | Lelystad, NL | 34        | 38     |
| 1998   | Lelystad, NL | 24        | 28     |
| 1999   | Lelystad, NL | 28        | 32     |
| 1998   | Sibculo, NL  | 29        | 35     |
| 1999   | Sibculo, NL  | 29        | 33     |
| 2000   | Sibculo, NL  | 24        | 32     |
| 2001   | Sibculo, NL  | 34        | 40     |
| 2002   | Sibculo, NL  | 27        | 31     |
| 2003   | Sibculo, NL  | . 32      | 33     |
| 2004   | Sibculo, NL  | 24        | 31     |
| Avg:   |              | 29.1      | 34.1   |
| LSD 59 | %: 0.50      |           | •      |
| LSD 19 |              |           |        |
| VC%    | 4.48         |           | •      |

Table 3. Plant height (cm) of Residence compared to Estica

| Year   | Location     | Residence | Estica |   |   |
|--------|--------------|-----------|--------|---|---|
| 1994   | Lelystad, NL | 105       | 96     |   |   |
| 1995   | Lelystad, NL | 108       | 104    |   |   |
| 1996   | Lelystad, NL | 96        | 95     |   |   |
| 1997   | Lelystad, NL | 97        | 96     |   | • |
| 1998   | Lelystad, NL | 113       | 105    |   |   |
| 1999   | Lelystad, NL | 98        | 93     |   |   |
| 1998   | Sibculo, NL  | 101       | 98     |   |   |
| 1999   | Sibculo, NL  | 104       | 99     |   |   |
| 2000   | Sibculo, NL  | 97        | 93     |   |   |
| 2001   | Sibculo, NL  | 95        | 94     | • |   |
| 2002   | Sibculo, NL  | 103       | 101    |   |   |
| 2003   | Sibculo, NL  | 100       | 95     |   |   |
| 2004   | Sibculo, NL  | 109       | 103    |   |   |
| Avg    |              | 101.9     | 97.7   |   |   |
| LSD 5  | %: 0.62 cm   |           |        |   |   |
| LSD 19 |              |           |        |   |   |
| VC%    | 1.97         |           |        |   |   |

| FORM GR-470-6                                  |  | _  | FORM APPROVED, OME                            | HDC-46-113742                          |
|--|--|--|---|--|
| (2·15·73)                                      | UNITED STATES DEPAI<br>AGRICULTURAL  | MARKETING FERVICE                                    | · ·   | EXHIBIT C                              |
| N  | Livestock, Poultry,<br>atl. Agricultural Librar<br>OBJECTIVE DESC  | Ctain & Seed D<br>V. Beitsville.<br>RIPTION OF VARIE | ivision<br>MD 20705<br>TY                     | ; meny                                 |
| INSTRUCTIONS: See Reverse,                     |  | RITICUM SPP.)  |   |  |
| HAR.   | CEBECO SEEDS B.V.  |  | FOR OFFICIAL USE OF                           | (LY                                    |
| ACORES   | ifhoevenlaan 4 - P.O. Box 100  | 000  | PYPO NUMBER                                   | A & =                                  |
| <b>52</b> 5                                    | GA VLIJMEN - The Nether  | ands   | VARIETY HAME ON TEMPORAR                      | 067                                    |
| 1  | Telephone +31 73 - 5188555   |  | ORSIGNATION                                   |  |
|  |  |  | RESIDENCE                                     |  |
| Place the appropriate number                   | that describes the varietal charact  | er of this variety in th                             | e boxes below.                                |  |
| I KIND:  | 1 0 8 9 or 0 9 ) when number   | r is either 90 or less o                             | Por less.                                     | ************************************** |
| 1 = COMMON 2 = DUE                             | NUM 3 = EMMER 4 = EPELT  | 5×polish 6 e pou                                     | LARD 7 + CLUE                                 |  |
| Z. TYPE,                                       | المراجع والمراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع والمراجع المراجع المر |  | ·   | پسیرند د و د صححه بر حصیت              |
| 2. 1 = 5PRING 2 = WINT                         | ER 3 = OTHER (Specify)   | 2 1 = SOFT<br>2 = HARD                               | 3 = OTHER (Specify)                           |  |
| 2 1 = ₩НТЕ 2 = НЕО                             | 3 = OTHER (Sposity)  |  |   |  |
| J. SEASON - HUMBER OF DAY                      | S FROM EMERGENCE TO  |  | . <u>                                    </u> | A                                      |
| FIRST FLOWER                                   | Marine 44844 As A sur a sur la   | L,AST  | FLOWERING                                     |  |
| 4. MATURITY (50% Flowering):                   |  | <b>j</b>   |   |  |
| O Y NO. OF DAYS BARK                           | IER THAN ESULA   | . I # ARTHUR   | 2 = 800UT 3 = CHRIS                           |  |
| HO, OF DAYS LATE                               | R THAN   | 4 T L KMHI   | 5 - NUGAINES 6 = LEEDS                        |  |
| 5. PLANT HEIGHT (From soil)                    | level to top at head):   |  | 2000 12- <del>11-1-1-1-1-1-1-1</del>          | <del></del>                            |
| 100 cm. HIGH                                   |  |  |   |  |
| OB CM. TALLER THAN                             | ESTICA   | I = ARTHUR   | 2 = scout 3 = CHRIS                           |  |
| CM, SHORTER THAN                               |  | 4 = LEMHI  | 5 = NUGAINES 6 = LEKUS                        |  |
| FLANT COLOR AT BOOTIN                          | G (See reveree):   | 7. ANTHER COLORI                                     |   |  |
| w  | 2 = GREEN 3 = BLUE GREEN   | 2 I - YELLOW   | 2 - 00001 E                                   |  |
| B. STEM:                                       |  |  |   |  |
| Anthocyanin: 1 = AUSEN                         | 7 2 = PRESENT  | Wasy bloom: I  | = ABSENT 2 = PRESENT                          |  |
| Illaiciness of last interoude of rachin: 1 = A | BSENT 2 - PRESENT  | loreenadas: 1 =                                      | HOLLOW 2 = SOLID                              |  |
|  | insting from node shows ground   | GM, INTE   | RNÓDE LÉNGTH BETWEEN FLAG<br>IF BELOW         | LEAF                                   |
| AURICLES:                                      |  |  |   |  |
| Anthocynnin: 1 = ABSEN                         | 7 - PAESENT  | 2 Hairinesa: 1=                                      | ABSENT 2 = PRESENT                            |  |
| O, LEAFt.                                      |  |  |   |  |
| Fing leaf or 1 = Sittle bouting stage: 3 = GT  | ECT 2 4 RECURVED HER (Specify):  | Flag leaft 1 =                                       | NOT TWISTED 2 TWISTED                         |  |
| L. Hairs of first less sheath:                 | I = ABSENT 2 = PAESENT   | 2 Wany bloom of f                                    | lig leaf sheath   1 = ABSENT                  | 2 = PRESENT                            |
| 1 9. MM. LEAF WIOTH                            | (First feel below lies leef)   | 24 CM. LEAP  | LENGTH (First less bolow lies to              | a():                                   |
|  |  |  |   | 6                                      |

## Residence

| Rough life North Robert   | and good arrange  | •                                       | •  | •                      |
|---|---|---|--|------------------------|
| EL HEADE;<br>Density: \ = CAX   | 7 = DENSE 3: MID-GENSE                                      | Share letas                             | FERING 2 = 57 HAP 3 = CLAVAT   | <del></del><br>E       |
| Awardaces: 1 = 4  | THILETS S = APIGALLY APHLETED                               | 3 - ANNUETED 4 - AN                     | HEO  | most per               |
| · ·   | LAMMAR - SEART DE BANK                                      |   |  | mall-per<br>correspond |
|   |   |   | The state of the s |                        |
| 12. GLUMES AY MATUI  2 Lenain: 1 = Show  3 = Long  ( Shoulder 1 = wan | HTY:<br>T (CA, T mm.) Z * MEDIUM (CA, T mm.)<br>(CA, F mm.) | 2=wios                                  |  | d event                |
| DE COLEOPTILE COLO  |   |   |  | <del></del>            |
|   | TEO JEPURPLE  | 14. SEEDLING ANTHO                      | Zupaesent  | . 1.                   |
| IS, SUVENILE PLANT G  | THEAST STANDS   | Programme Section 1979                  |  | <del>· .</del>         |
| 2 1 PHOSTRATE   | 2 = 5 EMI-ERACÝ 3 = EM                                      | ECT                                     |  |                        |
| IL SEED:  |   |   |  | <del></del>            |
| 2 Shapet 1 = DVATE  | 200VAL 3= ELLIPTICAL  | Check: 1 = ROUM                         | DED 2 x ANGULAR  |                        |
| 2 Воня 1 = зкант  | 2 = NEDWH 3 = LONG  | Brush: 1 = NOT :                        | COLLARRO 2 = COLLARRO  |                        |
| Phenol sescion<br>(See instructionals                                 | FORORY ISPANN SELT. BRO<br>4 - BROWN , 5 - BLACK            | 3304                                    |  |                        |
| 3. Colon Family   | 2 = AMBER 3 > RED 4 > PURPE                                 | E 5 COTHER (Specify)                    |  |                        |
| ян. Ценстн  | MAL WIOTH   | 44. PER 1000                            | SCEDE  | Marra 19               |
| 7. SEED CREASE:   |   |   |  |                        |
|   | .ess of Kernel 'Whoka'                                      |   | a feri of Kennet Scops.  |                        |
|   | Print of Kerket Frant.                                      |   | h fier of Kernet Tonky.  Referor Kernet Terhu  |                        |
|   | ed, In Susceptible, 2n Rustetony be                         | *                                       |  | <del>-</del> :         |
| 2 STEM RUSY   | LEAF RUST   | 2 STMPE MUST                            | LOOSE SHUT   |                        |
| SONDENA HICOEM  | BUNT  | OTHER (Specify)                         |  | •                      |
| . HISEGTS (G = Het Tease  | d, I = Specaptible, 2 = Konistenty                          | , |  | · ·                    |
| SAWFLY  | APHIO (Byen)  | GREEN BUG                               | CEREAL LEAF SEETLE   |                        |
| OTHER (Spicely)   |   |   |  | •                      |
| . ,   | HESSIAN FLY RACES   |   |  | ·                      |
|   |   | ILL"                                    |  | ÷                      |
| MOKATE WHICH VARIE  WHATACTER   | TY MOST CLOSELY RESEMBLES YMAY :<br>HAME OF VARIETY         |   |  |                        |
| Plant titlering   | HARE OF VARIETY   | CHARACTER .<br>Saed size                | Name of Variety  | <del></del>            |
| Lasi sixe   |   | Seré shape                              | F44 =  | <del></del>            |
| Leaf color  |   | Culsopille alangation                   |  |                        |
|   | _   | 5                                       | •  |                        |
| Lezi carlege  |   | Seeding planastation  <br>CTIONS        |  |                        |

## Documents in this part:

- a. Table 1, quality characteristics of Residence.
- b. Table 2, wheat quality data.
- c. Abstract; Recommended List, Field crops 2001, Netherlands, pg. 26-27 (explanation pg. 284-285)
- d. Kopy: Certificate on the grant of cummunity plant variety rights of Residence; decision no: EU3879, 14-12-1998.
- e. Kopy: Upov Variety description, Raad v/h/ Kwekersrecht, Wageningen, ref num: TRW 510..

Residence can be characterised as a variety with good quality characteristics, as described in table 1. The data is recored in official trials of the Netherlands.

Table 1. Quality characteristics of Residence, Dutch recommended list 2001. 9=Very good, early, long; 1=very bad, late, short.

| Characteristic                                      | Residence | Estica | Semper |
|---|-----------|--------|--------|
| Winter hardiness                                    | 8         | 7      | 7.5    |
| Length of straw                                     | 7.5       | 7      | 8      |
| Straw strength                                      | 6         | 8.5    | 6.5    |
| Earliness of heading                                | 7.5       | 6      | 7      |
| Earliness of ripening                               | 7.5       | 7      | 6.5    |
| Bread-making quality                                |           |        |        |
| EU viscosity test                                   | +         | +      | +      |
| Breadmaking   | 7         | 6      | 7      |
| Dough making  | 6         | 5      | 6.5    |
| Milling quality                                     | 8         | 6      | 9      |
| Zeleny  | 7         | 6.5    | 8      |
| Hardiness of kernel                                 | Hard      | Hard   | Hard   |
| Res. To sprouting                                   | 6         | 7      | 6      |
| Res. To Puccinia striiformis - natural infection    | 9         | 9      | 9      |
| Res. To Puccinia striiformis - artificial infection | 6         | 6      | 8      |
| Res. To Puccinia Recondita                          | 7.5       | 9      | 7.5    |
| Res. To Mildew                                      | 7.5       | 7.5    | 7.5    |
| Res. To Septoria tritici                            | 6.5       | 5.5    | 7      |
| Res. To fusarium in the ear                         | 6.5       | 7.5    | 7      |
| Res. To black molds in the ear.                     | 6         | 6.5    | 6.5    |

Dutch Variety List for Field Crops 2001 – With translation

SCHOLTE

## Selvinselid crops

AANBEVELEND
RECOMMENDED LIST OF VARIANTE
RASSENLIJST

NATIONALE RASSENLIJST

# Overzicht van de raseigenschappen bij wintertarwe

| 9                             | İ         |     |            |             |     |                  |     | ç                 | 7.               |                   |                  |                  |                                      |                                       |                    | 6   | 51            | 4.                            | ω <u>i</u>              | ۷                    | <u>, -</u>     | str.  | T 8   | දි          | <u></u>               |
|-------------------------------|-----------|-----|------------|-------------|-----|------------------|-----|-------------------|------------------|-------------------|------------------|------------------|--------------------------------------|---------------------------------------|--------------------|---|---------------|-------------------------------|-------------------------|----------------------|----------------|---|-------|-------------|-----------------------|
| Geschiktheid als<br>dekvrucht | in de aar |     | •          | d. meeldauw |     | b. gele roest ") |     | Resistentie tegen | Schotresistentie | f. korrelhardheid | e. Zeleny-waarde | d. maalkwaliteit | <ul> <li>c. deegkwaliteit</li> </ul> | <ul> <li>b. broodkwaliteit</li> </ul> | a. EU kleeftest 2) | Geschiktheid voor de<br>broodbereiding 1) | Vroegrijpheid | Vroegheid van<br>in aar komen | Stevigheid van het stro | l ongte van het stro | Wintervastheid | Verder wordt lang<br>Verder wordt lang<br>stro door een hoog<br>cijfer aangeduid. |       |             | Een hoog cijfer duidt |
| සූ                            | 6         | Oğ. | <u>ದ್ದ</u> | 7           | 00  | 8                | ထ   |                   | တ                | J                 | တ္အ              | œ                | 75                                   | ထ္ဌ                                   | +                  |   | 6             | თ                             | 60                      | ភូ                   | ල              | Hereward  | Tarwe | bak-        | Betere                |
| 75                            | 5         | 4   | 4          | 7           | 76  | 4                | 7   |                   | 65               | 5                 | 7                | 7                | တ္ဖ                                  | Ů,                                    | +                  |   | œ             | ထ္မ                           | 70                      | o                    | œ              | Bercy   |       |             |                       |
| <b>ල</b> ූ                    | တ္        | O,  | ĊŢ,        | 7           | 76  | o                | 9   |                   | 75               | 5                 | 75               | 7                | O)                                   | Og.                                   | +                  |   | 7             | <b>ଫୁ</b>                     | 'તુ વ                   | •                    | œ              | Drifter   |       |             | ١                     |
| 6                             | 6         | 7   | og.        | 76          | ထ္အ | o                | 9   |                   | 6                | ᠴ                 | 7                | œ                | O                                    | 7                                     | +                  |   | 75            | œ                             | ο                       | <u>,</u>             | œ              | Residence   | l     | Bakt        | .                     |
| თ                             | တ္        | 75  | 7          | 75          | œ   | ထ                | 9   |                   | တ                | <del></del>       | œ                | ထ                | Q,                                   | 7                                     | +                  |   | Oğ.           | 7                             | တ္ပံ့ ထ                 | ۱ ۰                  | 75             | Semper  |       | Baktarwe    |                       |
| ତ୍ୱ                           | 65        | 75  | 7          | ထ္ဖ         | œ   | 4                | ထ္ယ |                   | ଫୁ               | <b>-</b>          | 75               | 00               | တ္ပ                                  | ω                                     | +                  |   | ರ್ಚ           | 6                             | 7 <u>.</u> α            | 2                    | ထ္             | Tambor  |       | •           |                       |
| 00                            | o.        | တ္တ | oğ.        | α           | ဖ   | œ                | ဖ   |                   | တ္မ              | Z                 | 75               | 6                | φ                                    | တ္ၾ                                   | +                  |   | ಜ್ಞ           | 9                             | ထပ္                     | 3                    | :              | Virtuose  |       |             |                       |
| œ                             | 0         | G   | cji<br>Cji | O           | 44  | 4                | OΊ  | Ī                 | 76               | <u>-</u>          | oğ.              | 7                | ĊΊ                                   | G,                                    | +                  |   | တ             | 55                            | ထွင့                    | 3                    | 7              | Ritmo   |       | tarwa-      | $\Gamma$              |
| 75                            | di        | O)  | ත<br>      | O)          | O1  | 4                | œ   |                   | 7                | <b>5</b>          | <b>್ಞ</b>        | ٧.               | CT                                   | ගූ                                    | +                  |   | Oğ.           | තූ                            | 6°<br>75                | 2                    | თ              | Versailles .  | ;     | יון אַרְאָר | -                     |
| 75                            | 55        | O1  | O          | 75          | ထ္ထ | ω                | Θ   |                   | 45               | N                 | :                | : `              | :                                    | :                                     | +                  |   | ထ္တ           | ဖ                             | 7                       | 1                    | 7              | Farandole   |       |             | 7                     |
| ω                             | တ္မ       | 7   | O          | 7           | ထ္တ | 2                | 25  |                   | 7                | 7                 | 4                | ထ                | 4                                    | 4                                     | +                  |   | O             | တ္ဖ                           | တတ                      | ,                    | တ္ဖ            | Harrier   |       | 8           |                       |
| ထ္အ                           | ឲ្យ       | cj. | တ          | 7           | ဖ   | 7                | ထ္တ |                   | တ္ဖ              | <u> </u>          | :                | :                | :                                    | :                                     | :                  |   | og            | တ္က                           | ထူပျ                    | ։                    | :              | Napier  |       | Voertarwe   |                       |
| 6                             | o         | 7   | Ó          | œ           | ထ္ဌ | ത                | ထ္တ | ŀ                 | 7                | <b>=</b>          | တ္ဖ              | 7                | ÇT                                   | თ                                     | +                  |   | 7             | တ္မ                           | o -3                    |                      | 75             | Tower   |       | 8           | ı                     |
| 75                            | 2         | တ္ဖ | O          | O           | œ   | 7                | ထ   |                   | 7                | <u> </u>          | СI               | 7                | 4                                    | 4                                     | +                  |   | ტ             | 6                             | ထက္ခ                    | <u>.</u>             | <b>റു</b>      | Vivant  |       |             |                       |
|                               |           |     |            |             |     |                  |     |                   |                  |                   |                  |                  |                                      |                                       |                    |   |               |                               |                         |                      |                |   |       |             |                       |

') De cijiers van Virtuose zijn voorlopig in verband met het beperkte aantal gegevens. 3) + geef nict-klevonde degen 3) Dit cijier berust op de actuele aantasting op proefvelden en in de praktijk. 4) Dit cijier duidt op de aantasting die is opgetreden bij kunstmatige infectie en geeft het risico aan bij eventuele uitbreiding van de fysio's waar het ras vatbaar voor is.

Stabiliteit van de opbrengst op de Noordelijke zeeklei -- zie toelichting op pag. 25 Korrelopbrengst (in verhoudingsgetallen) per jaar en gemiddeld over de laatste zes jaar.

| Gem. op!                | z      | 20        | י ס   | <b></b> | Α :    | Voertarwe | <b>co</b> ;  | Þ        | Vultarwe | z        | z       | ; co  | Þ      | >         | ➤      | Baktarwe | Þ        | Betere baktarwe | Met ziekt             | Gem. op!                | z      | z         | 8           | σ     | Þ      | Voertarwe | W          | Α:    | Vultarwa | z        | Z       | <b></b> | Þ      | >         | A        | Raktarwa  | Betere baktarwe | Zonder zi                |
|-------------------------|--------|-----------|-------|---------|--------|-----------|--------------|----------|----------|----------|---------|-------|--------|-----------|--------|----------|----------|-----------------|-----------------------|-------------------------|--------|-----------|-------------|-------|--------|-----------|------------|-------|----------|----------|---------|---------|--------|-----------|----------|-----------|-----------------|--------------------------|
| Gem. opbrengst in ka/ha | Napier | Farandola | Cario | Tower   | Vivant |           | Versailles   | Ritmo    |          | Virtuose | Drifter | Bercy | Tambor | Residence | Semper |          | Hereward | ktarwe          | Met ziektebestrijding | Gem. opbrengst in kg/ha | Napier | Farandole | Harrier     | Tower | Vivant |           | Versailles | Ritmo |          | Virtuose | Drifter | Bercy   | Tambor | Residence | Semper   | niphatata | ktarwe          | Zonder ziektebestrijding |
| 9790                    |        | 100       | 100   | 100     | 104    |           | <u> </u>     | 102      |          |          |         | 93    | 96     | 104       |        |          | 94       |                 | 1995                  | 7420                    |        |           | 105         | 99    | 99     |           | <u>1</u>   | 98    |          |          |         | 94      | 108    | 97        |          | Ţ         | 2               | 1995                     |
| 10290                   |        | Ç         | 2 4   | 104     | 3      |           | 104          | 104      |          |          |         | 103   | 95     | 102       | 99     |          | 88       |                 | 1996                  | 9070                    |        |           | 106         | 105   | 96     |           | 107        | 99    |          |          | į       | 106     | 99     | 102       | <u>1</u> | 9         | 0               | 1996                     |
| 10800                   | -      | 3 6       | 3 4   | 9 9     | 9.7    | :         | 94           | က္ဆ      |          |          | 108     | 105   | 94     | 107       | 97     |          | 96       |                 | 1997                  | 9320                    |        | 113       | <u>1</u> 01 | 94    | 95     |           | 90         | 93    |          | į        | 106     | 105     | 100    | 103       | 104      | G         | 0               | 1997                     |
| 9150                    | 110    | 2 2       | 2 4   | 0 0     | 3      |           | 1<br>03<br>1 | 99       | -        | 11       | 111     | 95    | 94     | 101       | 99     |          | 99       |                 | 1998                  | 6210                    | 114    | 116       | 100         | 99    | 96     | !         | 87         | 82    |          | 121      | 99      | 93      | 101    | 110       | 109      | č         | ŝ               | 1998                     |
| 10940                   | 105    | 10        | , 4   | 000     | 3      |           | 101          | 3        |          | 98       | 105     | 97    | 94     | 103       | 103    |          | 94       |                 | 1999                  | 9650                    | 104    | 102       | 87          | 100   | 102    |           | 96         | 89    |          | 99       | 106     | 9.      | 101    | 11        | 106      | 80        | 8               | 1999                     |
| 10550                   | 108    | <u>.</u>  | 8     | 9 0     | 2      |           | <u>.</u>     | 104      |          | 105      | 108     | 95    | 91     | 101       | 101    |          | 93       |                 | 2000                  | 8480                    | 100    | 109       | :           | 99    | 100    |           | 98         | 97    | •        | 107      | 103     | 94      | 100    | 100       | 102      | ć         | Ŝ               | 2000                     |
| 10310                   | 107    | 102       |       | 9 5     | 3      | 3         | <u> </u>     | <u> </u> |          | 104      | 108     | 98    | 93     | 102       | 100    |          | 94       |                 | Gem                   | 8420                    | 105    | 110       | 99          | 99    | 98     | ,         | 96         | 93    | ;        | 108      | 104     | 97      | 101    | 103       | 104      | 9/        | 3               | Gem                      |

## Translation of terms

In the variety descriptions the most important characteristics have been mentioned. The descriptions are based on the data in the tables of characteristics and yield,

9 = very good; 2 = very bad. In general, a high figure is given in case of a favourable development of the character

Usually the yields are mentioned in relative figures (in general 100 = the average of the and N-varieties of the former Recommended List of Varieties). Also e.g. early ripening, long straw or high leafiness have high figures

numbering of the rows or columns in the tables corresponds with the numbering used with The translation of the terms used in the tables is given on the following pages. The

Page 14-15: Procedures concerning breeders' right, registration and National List Columns from left to right:

h = non certified seed allowed; marketing restricted (= b) or not restricted (= nb) to National List varieties; minimum emergence of the identity sample; utmost date of application for vcu-testing identity sample for registration (kg or number of tubers); utmost date of application for registration;

## Page 17: For trial purposes admitted quantities of varieties under examination

Column A: Column B quantity of new, not applied varieties.

quantity of varieties in the first year of application.

Column C: quantity of varieties in the second and following years after application.

Column D: quantity of varieties inscribed in the Dutch Register of Varieties (NRR) but not on the National List (during ten successive harvests after entering the NRR).

Page 24 : Average relative grain yield of winter wheat without crop protection Columns, soil types from left to right: sea clay resp. in the north, central part and south-west of the country; river clay and loess; sand and retained peat

Page 25: Average relative grain yield of winter wheat with crop protection Columns, soil types from left to right; sea clay resp. in the north, central part and south-west of the country; river clay and loess; sand and retained peat soil.

Engelse toelichting

English commentary Appendix 5 4 1

## Page 26: Characteristics of winter wheat

- Winter hardiness

Resistance to: Resistance to sprouting.

yellow rust (Puccinia striiformis)

- Earliness of heading
- 2. Length of straw
  3. Strength of straw.
  4. Earliness of heading
  5. Earliness of ripening
- Earliness of ripening.
- Bread-making quality, a. suitability for mechanical dough kneading (EU viscosity
- Ö bread quality. test).
- milling quality.
- **→** 0 Zeleny-value
- hardness of kernel (z = soft, h = hard).

c. brown leaf rust b. yellow rust (under

artificial infection conditions). under natural infection conditions.

(Puccinia recondita),

d. mildew.

- dough quality
- Ģ e. leafspot (Septoria tritici) f. Fusarium in the ear.
- g. black molds in the ear. Suitability as nurse crop.

For the pages 27, 28, 29, 30 and 31: upper table = without crop protection lower table = with crop protection

Page Page Page Page 27: Stability of grain yield on the sea clay in the North.
28: Stability of grain yield on the central sea clay.
29: Stability of grain yield on the sea clay in the South-west.
30: Stability of grain yield on river clay and loess.
31: Stability of grain yield on sand and retained peat soil

Stability of grain yield on sand and retained peat soil.

Page 33 : Relative grain yield of spring wheat Columns: clay soil; sand and retained peat soil

## <u>3</u>4 Characteristics of spring wheat

Strength of straw. Length of straw.

.7 .5

Resistance to sprouting.
Resistance to yellow rust (Puccinia

striiformis) under natural infection

- Earliness of heading
- 4, 10, Bread-making quality. Earliness of ripening.

œ

conditions.

Resistance to yellow rust (under

- a. suitability for mechanical Test). dough kneading (EU viscosity
- ò bread quality.
- Ö dough quality.
   milling quality.
- **∵** Zeleny-value
- 9. Resistance to brown leaf rust. artificial infection conditions)
- Resistance to leafspot (Septoria Resistance to mildew.
- 12. Resistance to black molds in the ear.
- Suitability as nurse crop.
- hardness of kernel (z = soft, h = hard).

## Page 40: Relative grain yield of winter barley

SOI. Columns: sea clay in the north; central sea clay; loess; sand and retained peat





## CERTIFICATE ON THE GRANT OF COMMUNITY PLANT VARIETY RIGHTS

THE COMMUNITY PLANT VARIETY OFFICE HEREBY ACKNOWLEDGES THE GRANT OF COMMUNITY PLANT VARIETY RIGHT BY ITS DECISION N° EU3879 OF 14 DECEMBER 1998 TAKEN IN ACCORDANCE WITH COUNCIL REGULATION (EC) N° 2100/94 ON COMMUNITY PLANT VARIETY RIGHTS, WITH EFFECT FROM THE DATE OF THE DECISION REFERRED TO ABOVE, FOR

## CEBECO ZADEN B.V.

BEING DOMICILED OR HAVING HIS SEAT OR ESTABLISHMENT IN

POSTBUS 10000 NL - 5250 GA VLIJMEN

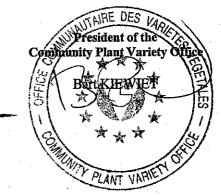
AS HOLDER OF THIS RIGHT, IN RESPECT OF THE VARIETY Triticum aestivum L. emend. Fiori et Paol. BEARING THE DESIGNATED DENOMINATION

## RESIDENCE

FOR A PERIOD EXPIRING ON 31/12/2023 AT THE LATEST.

THE COMMUNITY PLANT VARIETY RIGHT HAS UNIFORM EFFECT WITHIN THE TERRITORY OF THE EUROPEAN COMMUNITY AND MAY NOT BE TRANSFERRED IN RESPECT OF THIS TERRITORY OTHERWISE THAN ON SUCH UNIFORM BASIS. IT CAN BE EXERCISED AND ENJOYED BY THE HOLDER IN ACCORDANCE WITH COUNCIL REGULATION N° 2100/94 ON COMMUNITY PLANT VARIETY RIGHTS.

THIS ACKNOWLEDGEMENT DOES NOT AFFECT THE REQUIREMENT OF THE HOLDER TO PAY THE FEES DUE FOR EACH YEAR OF DURATION OF THE COMMUNITY PLANT VARIETY RIGHT.





## EUROPEAN UNION Community Plant Variety Office

## DECISION (No: 3879)

The competent Committee for determining applications for the grant of Community Plant Variety Rights has decided, pursuant to article 62 of Council Regulation (EC) No 2100/94 (the Regulation), to grant such a right in relation to -

the variety:

RESIDENCE

(Application number: 98/0412)

of species:

Triticum aestivum L. emend. Fiori et Paol.

to:

CEBECO ZADEN B.V.

(Applicant)

POSTBUS 10000

NL-5250 GA VLIJMEN

Date:

**14 DECEMBER 1998** 

In connection with the grant of this Community Plant Variety Right the Committee has approved, pursuant to article 63 of the Regulation, the variety denomination -

RESIDENCE

Signed:

Dirk Theobald

Iain Forsyth

José Elena

Taken whiler the authority of the President of the Office,

The attention of the applicant is drawn to the possibility of an appeal against this decision by a third party to whom it is of direct and individual concern.

## UPOV variety description translation from Dutch

1. Reference number of reporting authority 2. Reference number of requesting authority

: 31-10-1997, Wageningen

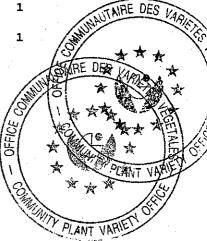
3. Breeder's reference

4. Applicant

5. Botanical name of taxon : Triticum aestivum L. emend. Fiori 6. Common name of taxon : Soft Wheat (Winter) 7. Variety denomination : Residence 8. Document number and date UPOV guidelines : TG/3/11 d.d. 04-11-1994 9. Document number and/or date of national test guidelines 10. Testing authority : Raad v/h Kwekersrecht, Wageningen, NL 11. Testing station(s) and place(s) : CPRO-DLO, Wageningen 12. Period of testing : 1995/1997 13. Date and place of issue of document

14. Group: (if characteristics of number 15 are used for grouping, they are marked with a "G" in that number).

| UPOV<br>No. | Characteristics  | States of expression | Note       | Remarks                                       |
|-------------|--|----------------------|------------|---|
| 10.         | Straw: pith in cross section (halfway between base of ear and stem node below) | thin                 | 3          |   |
| 14.         | Awns or scurs: presence  | scurs present        | <b>2</b> . |   |
| 16.         | Ear: colour  | white                | 1          | WAUTAIRE DES VARIE                            |
| 26.         | general: Seasonal type   | winter type          | 1          | ESTATION A TO A |
| _           |  |                      |            | ASIARE DEBY 1/2                               |



Reference number of reporting authority:

TRW 510

## 15. Characteristics included in the UPOV quidelines or national test quidelines

| UPOV<br>No. | Characteristics  | States of expression | Note      | Remarks              |
|-------------|--|----------------------|-----------|----------------------|
| 1.          | Coleoptile: anthocyanin coloration   | medium to<br>strong  | é         |                      |
| 2.          | Plant: growth habit  | semi-erect to medium | 4         |                      |
| з.          | Flag leaf: anthocyanin coloration of auricles                                  | <del>-</del>         | -         |                      |
| 4.          | Plant: frequency of plants with recurved flag leaves                           | absent or very       | 1         |                      |
| 5.          | general: Time of ear emergence (first spikelet visible on 50% of ears)         | early to medium      | 4         |                      |
| 6.          | Flag leaf: glaucosity of sheath  | medium to<br>strong  | 6         | · .                  |
| <b>7.</b>   | Ear: glaucosity  | medium to strong     | 6         |                      |
| 8.          | Culm: glaucosity of neck   | medium to<br>strong  | 6         |                      |
| 9.          | Plant: length (stem, ear, awns and scurs)                                      | short to medium      | 4         |                      |
| 10.G        | Straw: pith in cross section (halfway between base of ear and stem node below) | thin                 | 3         |                      |
| 11.         | Ear: shape in profile  | tapering             | 1         |                      |
| 12.         | Ear: density   | medium to dense      | 6         |                      |
| 13.         | Ear: length (excluding awns and scurs)   | medium               | 5         |                      |
| 14.G        | Awns or scurs: presence  | scurs present        | 2         |                      |
| 15.         | Awns or scurs at tip of ear:<br>lenght   | short                | 3         | MUNAUTAIRE DES VARIA |
| 16.G        | Bar: colour  | white                | OFFICE CO | * MEA*               |

Reference number of reporting authority:

TRW 510

## 15. Characteristics included in the UPOV quidelines or national test quidelines

| IPOV<br>Io. | Characteristics  | States of expression                       | Note | Remarks |
|-------------|--|--|------|---------|
| 17.         | Apical rachis segment:<br>hairiness of convex surface      | very weak to<br>weak                       | 2    |         |
| 18.         | Lower glume: shoulder width (spikelet in mid-third of ear) | narrow                                     | 3    | •       |
| 19.         | Lower glume: shoulder shape (as for 18)                    | slightly<br>sloping                        | 3    |         |
| 20.         | Lower glume: beak lenght (as for 18)                       | very short to short                        | 2    |         |
| 21.         | Lower glumes: beak shape (as for 18)                       | slightly curved                            | 3    |         |
| 22.         | Lower glume: extent of internal hairs (as for 18)          | weak                                       | 3    |         |
| 23.         | Lowest lemma: beak shape (as for 18)                       | moderately<br>curved to<br>strongly curved | 6    |         |
| 24.         | Grain: color   | red  | 2    | •       |
| 5.          | Grain: coloration with phenol                              | medium                                     | 5    |         |
| 6.G         | general: Seasonal type                                     | winter type                                | 1    |         |

## 16. Similar varieties and differences in relation to those varieties

|   | Denomination of similar variety | Characteristics in which the similar variety is different | State of expression of similar variety   | State of expres-<br>sion of candidate<br>variety |
|---|---------------------------------|---|--|--|
|   |                                 |   |  |  |
|   | Semper                          | general: Time of ear emergence (first                     | 4  | 4  |
|   |                                 | spikelet visible on 50% of ears)                          |  |  |
| - | Semper                          | Diant lamet / mt  | •  | 4 MANTAIRE DES VAR                               |
|   | sember                          | Plant: length (stem,                                      | 4  | 4 MINA   |
|   | •                               | ear, awns and scurs)                                      | •  |  |
|   |                                 |   | and the second s | /          |



Reference number of reporting authority:

TRW 510

## 17. Additional information

a) Additional data : Time of maturity: Semper 6 1/2 Residence 8

b) Remarks

: 5 Time of ear emergence: Residence is 1 day earlier than Semper 9 Plant length: Residence averages 2 cm shorter than Semper



| hfn    | 284<br>341<br>331<br>219<br>226<br>333                  | 296<br>294          |  |
|--------|---|---------------------|--|
| E<br>E | 222223<br>3.3.2.4<br>2.3.3.5<br>4.1.5                   | 2.6<br>2.6          |  |
| 흏      | 28.8<br>34.5<br>30.6<br>27.2<br>28.4                    | 30.5<br>30.9        |  |
| nsə    | 141<br>185<br>118<br>78<br>94<br>99                     | 111                 |  |
| erl    | 4 & 4 & 4 & 4 & 4 & 4 & 4 & 4 & 4 & 4 &                 | 3.7                 |  |
| ele    | 139<br>162<br>133<br>116<br>113                         | 137                 |  |
| er1    | 608<br>595<br>552<br>437<br>555<br>480                  | 503<br>421          |  |
| zel    | 32<br>32<br>32<br>33<br>34<br>35                        | 39                  |  |
| zjb    | 212<br>355<br>208<br>89<br>96<br>135                    | 208<br>178          |  |
| rmt    | 672<br>767<br>660<br>562<br>574<br>603                  | 653<br>647          |  |
| waa    | 58.0<br>58.3<br>56.2<br>57.3<br>56.7                    | 57.4<br>57.0        | NIRS Aberham NIRS Aberham  |
| wan    | 58.5<br>57.5<br>54.7<br>57.8<br>56.9<br>57.2            | 58.0<br>57.1        |  |
| pra    | 12.9<br>14.4<br>13.3<br>13.1<br>12.6                    | 13.2<br>13.3        | soft) *** ** ** ** ** ** ** ** ** ** ** ** *   |
| brn    | 13.6<br>13.5<br>13.5<br>13.0<br>13.0                    | 13.8<br>13.9        | me (in ml) ard, > 24 = :  nd, > 24 = :  high = bette  lume (in ml after 5 mit fly (mm)  in sec)  |
| har    | 22228   | 20 20               | ntation volu<br>e (< 24 = h <sub>1</sub><br>ant (%)<br>ant (%)<br>otion (in ml)<br>otion (in ml)<br>(RMT, in m<br>c Aberham (<br>nentation vo<br>h resistanco<br>h extensibil<br>h er 1/ele<br>h surface (c<br>nt (%)  |
| sps    | 07 7 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4                | 9 9                 | aders  SDS-sedimentation volume (in ml) Kernel texture (< 24 = hard, > 24 = soft) Protein content (%) Protein content (%) Water absorption (in ml) Water absorption (in ml) Water absorption (in ml) Coaf volume (RMT, in ml) Quality index Aberham (high = better) Zeleny-sedimentation volume (in ml) Extensograph resistance after 5 min. (EE) Extensograph extensibility (mm) Extensograph surface (cm**2) Gluten content (%) Maltose content (%) Hagberg fallingnumber (in sec) |
| ı      | Batis<br>Bussard<br>Drifter<br>Estica<br>Flair<br>Ritmo | Residence<br>Semper | Explanation Headers sds SDS-har Kerne prn Protei pra Water waa Water waa waa water Loaf v qiz zel Zelen eri Exten ele esu Exten eri Exten eri Exten eri Exten mal Malton hfn Hagbu   |

| U.S. DEPARTMENT OF AGRICULTURE<br>AGRICULTURAL MARKETING SERVICE  | The following statements are made in accordance with the Privacy Act 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.  Application is required in order to determine if a plant variety protectic certificate is to be issued (7 U.S.C. 2421). Information is held confident until certificate is issued (7 U.S.C. 2426). |  |  |
|---|--|--|--|
| EXHIBIT E   |  |  |  |
| STATEMENT OF THE BASIS OF OWNERSHIP   |  |  |  |
| I. NAME OF APPLICANT(S)   | 2. TEMPORARY DESIGNATION   | 3. VARIETY NAME                                    |  |
| Thuoseeds, bv.  | OR EXPERIMENTAL NUMBER   |  |  |
| 7(06  | Celseco 9303   | RESIDENCE  |  |
| CESECO SEEDS B.V. Vijfhoevenlaan 4 - P.O. Box 10000   | 20,000 7.03  | ·  |  |
| . ADDRESS (Street and No., of R. R.D. Mid. Ch., State and ZIP, and Gountan  | 5. TELEPHONE (include area code)   | 6. FAX (include area code)                         |  |
| Telephone +31 73 - 5188555  | +31-73-5188555   | +31-33-5188572                                     |  |
|   | 7. PVPO NUMBER   | <u> </u>   |  |
|   | 200  | 200067   |  |
| Does the applicant own all rights to the variety? Mark an "X" in appropri   | iate block. If no, please explain.   | YES TO NO  |  |
|   | v  | است! اسلا  |  |
|   |  |  |  |
|   |  | •  |  |
| Is the applicant (individual or company) a U.S. national or U.S. based could be used to the same of country   | mpany?   | YES NO   |  |
| 2   | O If no, please answer one of the fo   | ollowina:  |  |
| 101 v = 0   | · · · · · · · · · · · · · · · · · · ·  |  |  |
| a. If original rights to variety were owned by individual(s), is (are) the ori  | ginal owner(s) a U.S. national(s)?   |  |  |
| [] YES [] N   | O If no, give name of country  |  |  |
| b. If original rights to variety were owned by a company(ies), is(are) the  | original owner(s) a U.S. based company   | ?  |  |
| [] YES  ] N   |  |  |  |
|   |  |  |  |
| 1. Additional explanation on ownership (if needed, use reverse for extra sp   | ace):  |  |  |
|   |  | *  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   | •  |  |  |
| EASE NOTE:  | <u> </u>   |  |  |
| ant variety protection can be afforded only to owners (not licensees) who meet on   | c of the following criteria:   |  |  |
|   | _  |  |  |
| If the rights to the variety are owned by the original breeder, that person must be which affords similar protection to nationals of the U.S. for the same genus and s  | a U.S. national, national of a UPOV memberspecies.   | er country, or national of a country               |  |
|   | al breeder(s), the company must be U.S. bas  | ed, owned by nationals of a UPOV enus and species. |  |
| If the rights to the variety are owned by the company which employed the origin<br>member country, or owned by nationals of a country which affords similar protect   | ction to nationals of the U.S. for the same g  |  |  |
| If the rights to the variety are owned by the company which employed the origin<br>member country, or owned by nationals of a country which affords similar protect<br>If the applicant is an owner who is not the original owner, both the original owner. |  |  |  |
| member country, or owned by nationals of a country which affords similar protection   | er and the applicant must meet one of the ab   | ove criteria.                                      |  |

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